

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

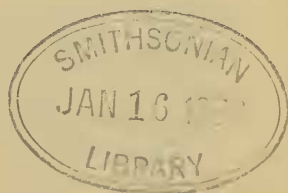
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Secretary to the Commission

VOLUME 11. Part 24. Pp. 369—378

OPINION 374

Acceptance of the generic name *Antirhynchonella* as from Oehlert, 1887 (Class Brachiopoda) and the addition of that name to the *Official List of Generic Names in Zoology*



LONDON :

Printed by Order of the International Trust for
Zoological Nomenclature
and

Sold on behalf of the International Commission on Zoological
Nomenclature by the International Trust at its Publications Office
41, Queen's Gate, London, S.W.7
1955

Price Five Shillings

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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

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OPINION 374

ACCEPTANCE OF THE GENERIC NAME "ANTIRHYNCHONELLA" AS FROM OEHLERT, 1887 (CLASS BRACHIOPODA) AND THE ADDITION OF THAT NAME TO THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY"

RULING :—(1) It is hereby ruled that the generic name *Antirhynchonella* as published in 1871 in the index to volume 2 of Quenstedt's *Die Brachiopoden* is a *nomen nudum* possessing no status in zoological nomenclature.

(2) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name No. 898 :—*Antirhynchonella* Oehlert, 1887 (gender : feminine) (type species, by original designation : *Atrypa linguifera* Sowerby (J. de C.), 1839) (Class Brachiopoda).

(3) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 519 :—*linguifera* Sowerby (J. de C.), 1839, as published in the combination *Atrypa linguifera* (specific name of type species of *Antirhynchonella* Oehlert, 1887).

(4) The under-mentioned generic names or reputed generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Nos. 313 and 314 respectively :—

(a) *Antirhynchonella* Quenstedt, 1871 (a *nomen nudum*) ;

(b) *Barrandella* Hall & Clarke, 1894 (a junior objective synonym of *Antirhynchonella* Oehlert, 1887).

I.—THE STATEMENT OF THE CASE

On 2nd November 1951 Dr. Thomas W. Amsden (*The Johns Hopkins University, Department of Geology, Baltimore, Maryland, U.S.A.*) addressed a preliminary letter to the Office of the Commission on the question of the status of the generic name *Antirhynchonella* as published in 1871 in the index to volume 2 of Quenstedt's *Die Brachiopoden*, and on 4th April 1952, following correspondence with the Secretary, he submitted the following application on this subject to the International Commission:—

Request for a Ruling that the alleged name “*Antirhynchonella*” Quenstedt, 1871, is a “*nomen nudum*” (Phylum Brachiopoda, Class Articulata)

By THOMAS W. AMSDEN

(*The Johns Hopkins University, Baltimore, Maryland, U.S.A.*)

The present application arises out of the need for determining whether the alleged generic name *Antirhynchonella* Quenstedt, 1871 (Phylum Brachiopoda, Class Articulata) possesses any status in zoological nomenclature. The circumstances of this case are set forth in the following paragraphs.

2. The name *Antirhynchonella* was first published in 1871 in the index at the end of Quenstedt's *Die Brachiopoden, Petrefactenkunde Deutschlands* (2 : 727). This name was not cited by Quenstedt in the summary which he gave of the genera and subgenera recognised in his work. Nor does it appear on the page (: 231) of volume 2 cited in the index against this name. On the last named page there does, however, occur the following passage in which this word appears in the vernacular (German) form “*Antirhynchonellen*” :—

Aechte Pentameren haben entweder an der Stirn correspondirende Valven, oder Sinus und Wulst ist entgegengesetzt den Rhynchonellen, gleichsam Antirhynchonellen. Selbst die faustgrosse eiförmige tenuistriatus Walmst. auf Gothland, vom Habitus des glatten Esthonus (Eichwald Lethaea ross. I pag. 789) bewahrt diesen markirten Unterschied. Dagegen zeichnen die Engländer einen kleinen glatten Pentamerus linguifer Murch. Siluria 22.21 aus, der seine Zunge entgegengesetzt zur Bauchschale hinauf wendet.

3. The next usage of the name *Antirhynchonella* was by Oehlert in 1887 (*in Fischer's Manuel de Conchyliologie* 11 : 1311), where it was attributed to Quenstedt. Oehlert treated it as the name of a section of

Conchidium and clearly used it as a subgeneric name. Oehlert gave a diagnosis for *Antirhynchonella* and designated *Atrypa linguifera* Sowerby (J. de C.), 1839 (in Murchison, *Silurian System* : 629) as the type species, though (following Quenstedt in the passage quoted above) Oehlert incorrectly attributed this name to Murchison.

4. The status of the name *Antirhynchonella* was considered again by Hall & Clarke in 1894 (*Nat. Hist. New York, Paleontology* 2 : 245, footnote); these authors seem to have been in some doubt as to whether Quenstedt had used this name in a generic sense, pointing out that in the text he had not used the word as a Latin noun but had referred only to the "Antirhynchonellas", the Latin form appearing only in the index. In spite of this doubt Hall & Clarke apparently decided to accept the name *Antirhynchonella* as an available name as from Quenstedt, but they rejected Oehlert's action in designating *Atrypa linguifera* Sowerby as the type species of this genus for the following reason: "If any species can be taken as typical of ANTIRHYNCHONELLA, it is *Conchidium tenuistriatus* Walmstedt, mentioned in immediate connection with the single use of this name, and not *Pentamerus linguifera*, which is cited by Quenstedt as an illustration of the fact that the position of the fold and sinus in the pentameroids is sometimes the same as in the Rhynchonellas. *Antirhynchonella*, if adopted, would be simply synonymous with *Conchidium*". Hall & Clarke took the view that the species bearing the trivial name *tenuistriatus* Walmstedt should be referred to the genus *Conchidium* and erected a new nominal genus *Barrandella* (: 241, 245) for those pentameroid brachiopods having the structure of *Atrypa linguifera* Sowerby.

5. Most later authors have accepted Hall & Clarke's interpretation (e.g. Schuchert & Cooper, 1932, *Mem. Peabody Mus. nat. Hist.* 4 (1) : 173, 181).

6. It appears to the present applicant however, that the manner in which the name *Antirhynchonella* was published in 1871 in the index to Quenstedt's book cannot properly be regarded as acceptable. In the first place, there is no evidence at all that Quenstedt himself was responsible for the appearance of this name in the index to his book, it being just as probable that this entry in the index was due to a misreading of the passage on page 231 (quoted at the beginning of the present application) on the part of the compiler of the index. Second, even if Quenstedt himself compiled the index and was thus responsible for the appearance of the name *Antirhynchonella* on page 727, such a method of publication cannot, it is suggested, properly be held to have provided the name *Antirhynchonella* Quenstedt with an "indication" for the purposes of Proviso (a) to Article 25 of the *Règles*. For (as has been shown) the name *Antirhynchonella* does not

appear on the page (: 231) cited in the index, the only reference on that page which can be held to have any connection with this subject being the vernacular word "Antirhynchonellen". But as long ago as 1907 the International Commission on Zoological Nomenclature ruled (in its *Opinion* 1) that a "vernacular name" is not to be accepted as an "indication", and in 1948 this portion of *Opinion* 1 was incorporated into the *Règles* by the International Congress of Zoology (see 1950, *Bull. zool. Nomencl.* 4 : 149). The conclusion inevitably follows that, even if Quenstedt did on the occasion cited above publish a generic name *Antirhynchonella*, that name as so published (on p. 727) must be regarded as being a *nomen nudum*, the reference there given being to page 231, where the name was mentioned only as a vernacular name.

7. In these circumstances the name *Antirhynchonella* dates for the purposes of the Law of Priority only from Oehlert, 1887, and the type species is unquestionably *Atrypa linguifera* Sowerby, 1839, the species then so designated by Oehlert. The acceptance of this species as the type species of *Antirhynchonella* runs counter to the interpretation given to it by Hall & Clark and most later authors, but in the present case this is not a disadvantage, since *Pentamerus tenuistriatus* Walmsley, the species accepted by Hall & Clarke as the type species of *Antirhynchonella*, is one, of which the internal structure has never, to my knowledge, been adequately defined, whereas the structure of *Atrypa linguifera* Sowerby has been closely studied and is well known. The only change following the acceptance of this species as the type species of *Antirhynchonella* Oehlert, 1877, will be the disappearance in synonymy of the name *Barrandella* Hall & Clark, 1894, which is an objective synonym of *Antirhynchonella* Oehlert, having the same species as its type species. No serious inconvenience would follow this change ; it would not affect any name of supra-generic rank.

8. The International Commission on Zoological Nomenclature is accordingly asked :—

- (1) to rule that, as published in 1871 in the index to Quenstedt's *Die Brachiopoden* the name *Antirhynchonella* is a *nomen nudum* ;
- (2) to place the name *Antirhynchonella* Oehlert, 1887 (gender of generic name : feminine) (type species by original designation : *Atrypa linguifera* Sowerby (J. de C.), 1839) on the *Official List of Generic Names in Zoology* ;
- (3) to place the trivial name *linguifera* Sowerby (J. de C.), 1839, as published in the combination *Atrypa linguifera* (trivial name of type species of *Antirhynchonella* Oehlert, 1887) on the *Official List of Specific Names in Zoology* :

(4) to place on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—

- (a) the name *Antirhynchonella* Quenstedt, 1871 (a *nomen nudum*) ;
- (b) the name *Barrandella* Hall & Clarke, 1894 (a junior objective synonym of *Antirhynchonella* Oehlert, 1887).

9. The problem dealt with in the present application has arisen in the course of the preparation of the section on pentamerid brachiopods for the forthcoming *Treatise on Invertebrate Paleontology*, and it will therefore be greatly appreciated if the International Commission can afford to this application all practicable priority.

II.—THE SUBSEQUENT HISTORY OF THE CASE

2. Registration of the present application : Upon the receipt of Dr. Amsden's application, the question of the date as from which the generic name *Antirhynchonella* ranked as having been published for the purposes of Article 25 of the *Règles*, was allotted the Registered Number Z.N.(S.) 632.

3. Publication of the present application : The present application was sent to the printer on 13th May 1952 and was published on 23rd July 1952 in Part 8 of volume 6 of the *Bulletin of Zoological Nomenclature* (Amsden, 1952, *Bull. zool. Nomencl.* 6 : 242—244).

4. No objection received to the action proposed. The publication of the present application elicited no objection to the action sought in the present case.

III.—THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

5. Issue of Voting Paper V.P.(54)36 : On 17th March 1954, a Voting Paper (V.P.(54)36) was issued in which the Members

of the Commission were invited to vote either for, or against, "the proposal relating to the name *Antirhynchonella* as alleged to have been published by Quenstedt in 1871, as set out in paragraph 8 on page 244 of volume 6 of the *Bulletin of Zoological Nomenclature*" [i.e. in paragraph 8 of the application reproduced in the first paragraph of the present *Opinion*].

6. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 17th June, 1954.

7. Particulars of the Voting on Voting Paper V.P.(54)36 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(54)36 was as follows :—

(a) *Affirmative Votes had been given by the following nineteen (19) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Sylvester-Bradley ; Holthuis ; Vokes ; Hering ;
Bonnet ; Boschma ; Lemche ; Dymond ; do Amaral ;
Mertens ; Esaki ; Hemming ; Jaczewski ; Bradley
(J.C.) ; Hankó ; Pearson ; Stoll ; Cabrera ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

8. Declaration of Result of Vote : On 18th June 1954, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(54)36, signed a Certificate that the Votes cast were as set out in paragraph 7 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

9. General question of the status of names published only in the indexes of works, in the body of which vernacular names are used for the taxa concerned. : In the course of the Prescribed Voting Period correspondence took place between Commissioners Holthuis and Boschma and the Secretary on the question of principle involved in the status of names published in indexes which was raised indirectly in the present case. It was agreed in this correspondence that the various type of case which might arise should be investigated by the Secretary with the view to the submission of proposals for the adoption by the Commission of a *Declaration* clarifying the meaning of the *Règles* in this regard. This investigation was allotted the Registered Number Z.N.(S.) 929. It is hoped that proposals on this subject will be published in an early Part of the *Bulletin of Zoological Nomenclature*¹.

10. Preparation of the Ruling given in the present "Opinion" : On 25th March 1955 Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(54)36.

11. Original References : The following are the original references for the names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

Antirhynchonella Quenstedt, 1871, *Die Brachiopoden Petrifactenk. Deutschlands* **2** : 727

Antirhynchonella Oehlert, 1887, in Fischer's *Manuel Conchyliol.* **11** : 1311

Barrandella Hall & Clarke, 1894, *Nat. Hist. New York. Pal.* **2** : 241, 245

linguifera, *Atrypa*, Sowerby (J. de C.), 1839, in Murchison, *Silur. Syst.* : 629

12. Family-group-name aspects : Dr. Thomas Amsden, the applicant in the present case, has reported (*in litt.*) that the

¹ The proposals here referred to were published on 7th July 1955 in Part 8 of volume 11 of the *Bulletin of Zoological Nomenclature* (: 246—249).

generic name *Antirhynchonella* has not been taken as the base for a family-group name.

13. At the time of the submission of the present application the name applicable to the second portion of a binomen was "trivial name". This was altered to "specific name" by the Fourteenth International Congress of Zoology, Copenhagen, 1953, which at the same time made corresponding changes in the titles of the *Official List* and *Official Index* of names of this category. These changes in terminology have been incorporated in the Ruling given in the present *Opinion*.

14. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

15. The present *Opinion* shall be known as *Opinion* Three Hundred and Seventy-Four (374) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Fifth day of March, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING